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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/069,087	05/29/2002	Stefan Disch	1999/G-017	9098
75	90 02/15/2005		EXAM	INER
Conolly & Hutz			RAJGURU. UMAKANT K	
P O Box 2207 Wilmington, Di	E 19899		ART UNIT	PAPER NUMBER
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			DATE MAILED: 02/15/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)			
		10/069,087	DISCH ET AL			
	Office Action Summary	Examiner	Art Unit			
		Umakant K. Rajguru	1711			
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet with the c	orrespondence address			
A SH THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a reploperiod for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be timely within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
2a)⊠	·	s action is non-final.				
3)[_	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1-3 and 11-26 is/are pending in the at 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) 1-3 and 11-26 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	wn from consideration.				
Applicati	ion Papers					
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The section is section in the section of the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in th	cepted or b) objected to by the lead of a cepted or b) objected to by the lead of a cepted of the drawing(s) is objection is required if the drawing(s) is objected or by the lead of the drawing(s) is objected or by the lead of the lea	e 37 CFR 1.85(a). sected to. See 37 CFR 1.121(d).			
Priority ι	ınder 35 U.S.C. § 119					
12) <u></u> a)∣	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea See the attached detailed Office action for a list	ts have been received. ts have been received in Applicationity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachmen —	t(s)					
2) Notic 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	(PTO-413) Ite atent Application (PTO-152)			

Application/Control Number: 10/069,087

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- 1. An amendment has been filed on September 10, 2004.
- 2. Claims being examined are still 1-3 and 11-26.
- 3. Rejection of claims 1, 15, as well as 12, 13, 19, 20 & 23 (see item 3 of prior office action of April 05, 2004) is now withdrawn.
- 4. Rejections of claim 1 under 35 USC 102 (b) and 103(a) (see item 5 &7 of same office action) are also withdrawn.
- 5. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 6. Claims 1-3 and 12-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pitt et al (US 5476653) or Muck et al (US 5994455) each in view of Kosinski (EP 448037) and Chapman et al (US 3656982).

Pitt discloses polyoxymethylene-oxyethyene copolymers. The polymer was prepared using trifluoromethanesulfonic acid as catalyst (col. 7, line18).

Pitt does not furnish any information about extents of emission of formaldehyde.

It is the examiners position that copolymers of Pitts obvious satisfy (claimed) limitation.

Muck discloses a process for preparation of polyoxymethylene copolymers. A strong protonic acid is used as an initiator (col. 2, line 22-29). Like Pitt, Muck is silent on extent of formaldehyde emitted.

Neither Pitt nor Muck mentions colorants (of claims 2 & 3)

Kosinski describes polyacetal compositions, which can include other useful ingredients such as pigments, colorants, stabilizers etc. (page. 12 lines 49-34).

Chapman discloses pearlescent pigment. Such as a pigment is used after coating it with 1% calcium stearate (col. 6, lines 8-9).

Therefore it would have been obvious to admix appropriate colorant/s or pigment/s with the copolymers of Pitt or Muck and also to coat these colorant/s or pigment/s with alkali metal salt in order to impart color, hiding power and enhanced luster as well as appearance to the molded product/s made out of the copolymers.

7. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Muck et al (US 5994455) or Pitt et al (US 5476653) each in view of Kosinki (EP 448037) and Chapman et al (US 3656982) as applied claim 1 above and further in view of Yokoyama et al (US 5952410).

Muck and Pitt are silent about the amount of oxymethylene units.

Yokoyama discloses polyacetal resin composition. In col. 6, lines 16-30, patentee discusses the influence of respective amount of oxmethylene and oxyethylene units in the copolymer on the melting temperature of the copolymer.

Hence based on teaching of Yokoyama one would obviously be led to choose the claimed mol% of oxymethylene units in order adjust the melting point as needed, for easy processing.

8. Claims 15-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Muck et al (US 5994455) or Pitt et al (US 5476653) each in view of Kosinski et al (US 5952410), Champman et al (US 3656982) and Yokoyama et al (US 5952410).

Please see item 7 (above) for the gist of this rejection.

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It is noted that prior art is silent about limitations of instant claims 12, 13, 19, 20, 23 and 24. It is the examiner's position that since prior art discloses composition containing ingredients (a) which read on the claimed ones and (b) in amounts that are similar to or overlap those that are instantly claimed, it is reasonable to infer, unless proved otherwise, that the composition of prior art obviously satisfies limitations of above claims.

Applicants on page 8 (of their above response) argue that there is no evidence in Pitt or Muck that combination of copolymers (taught by either of them) and colorant leads to reduced formaldehyde emission. Since the copolymers of Pitt and Muck are prepared by using strong protonic acid as catalyst it is reasonable to assume that the above combination inherently satisfies (claimed) limitation of reduced emission of formaldehyde.

Applicants' remarks about Kosinski and Chapman on page 9 are not persuasive. These references are secondary. They have been relied upon solely for their specific teaching of (a) use of colorants and pigments with polyacetals and (b) advantages of having such colorants and pigments coated.

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to U. K. Rajguru whose telephone number is (571) 272-1077. The examiner can normally be reached on Monday-Friday from 9:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James J Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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U. K. Rajgufu/af February 9, 2004

> James J. Seidleck Supervisory Patent Examiner Technology Center 1700